



POWER INDUCTORS

MODEL NO : SPI-120045B SERIES

Features :

- * SMD version.
- * Low profile and high power.
- * Magnetically shielded.
- * Compliant with RoHS and REACH.

Application :

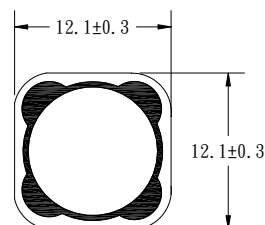
- * Routers.
- * LED TV.
- * DC/DC converter in power regulation system.



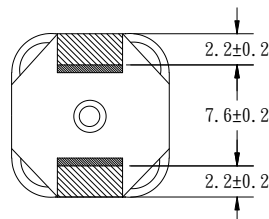
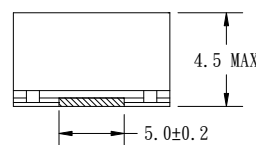
Electrical Specification :

Physical Dimension : (unit :mm)

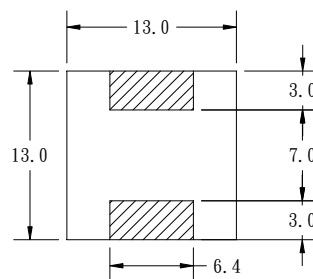
PART NO	INDUCTANCE ($\mu\text{H} \pm 20\%$)	DCR MAX ($\text{m}\Omega$)	RATED CURRENT (ADC)
SPI-120045B-1R5	1.5	11	7.00
SPI-120045B-3R3	3.3	15	6.50
SPI-120045B-3R9	3.9	16	6.50
SPI-120045B-4R7	4.7	18	5.70
SPI-120045B-6R8	6.8	23	4.90
SPI-120045B-8R2	8.2	26	4.60
SPI-120045B-100	10	34	4.50
SPI-120045B-120	12	38	4.00
SPI-120045B-150	15	52	3.20
SPI-120045B-180	18	57	3.10
SPI-120045B-220	22	66	2.90
SPI-120045B-270	27	80	2.80
SPI-120045B-330	33	97	2.70
SPI-120045B-390	39	132	2.10
SPI-120045B-470	47	150	1.90
SPI-120045B-560	56	190	1.80
SPI-120045B-680	68	220	1.50
SPI-120045B-820	82	260	1.30
SPI-120045B-101	100	308	1.20
SPI-120045B-121	120	380	1.10
SPI-120045B-151	150	530	0.95
SPI-120045B-181	180	620	0.85
SPI-120045B-221	220	700	0.80
SPI-120045B-271	270	870	0.60
SPI-120045B-331	330	990	0.50



TOP VIEW



BOTTOM VIEW



PCB PATTERN

TOLERANCE: ± 0.3

NOTE(1): Measuring condition : 100 KHZ, 0.1Vrms.

NOTE(2): The rated current indicates the value of DC current is approximately 10% lower than its initial value of inductance and $\Delta T = 40^\circ\text{C}$ approximately.NOTE(3): Operating temperature range: $-30^\circ\text{C} \sim +85^\circ\text{C}$.

NOTE(4): Storage time : The recommended storage time of Inductor is maximum 12 months, and don't suggest to use the parts over 12 months.

PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13",700PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:16mm.